Leonid Andreev. FIG. 1B. Hierarchical clustering of 46 cities of 15 states of the U.S.A. based on 108 climatic parameters.

1.1.1.	**MO**, Kansas City	**CA**, San Diego	**AL**, Huntsville
NV, Las Vegas	**2.1.1.1.2.1.**	**2.2.1.1.1.1.1.**	**2.2.1.2.2.1**
1.1.2.	**VA**, Lynchburg	**GA**, Augusta	**TX**, San Angelo
AZ, Phoenix	**VA**, Roanoke	**GA**, Macon	**2.2.1.2.2.2.**
AZ, Yuma	**2.1.1.1.2.2.**	**2.2.1.1.1.1.2.**	**TX**, Dallas-Fort Worth
1.2.1.1.	**WV**, Charleston	**GA**, Columbus	**TX**, Waco
NV, Elko	**WV**, Huntington	**2.2.1.1.1.2.**	**2.2.2.1.**
NV, Ely	**2.1.1.2.1.**	**GA**, Savannah	**FL**, Apalachicola
1.2.1.2.	**OK**, Oklahoma City	**2.2.1.1.2.1.**	**FL**, Pensacola
NV, Winnemucca	**OK**, Tulsa	**MS**, Jackson	**2.2.2.2.1**
1.2.2.1.	**2.1.1.2.2.**	**MS**, Meridian	**TX**, Houston
CA, Bakersfield	**TN**, Knoxville	**2.2.1.1.2.2.**	**TX**, Victoria
1.2.2.2.1.	**TN**, Nashville	**FL**, Jacksonville	**2.2.2.2.2.1.**
CA, Redding	**2.1.2.1.**	**FL**, Tallahassee	**LA**, Baton Rouge
1.2.2.2.2.	**CA**, Sacramento	**2.2.1.2.1.1.**	**LA**, New Orleans
CA, Fresno	**2.1.2.2.1.**	**AR**, Forth Smith	**2.2.2.2.2.2.**
CA, Stockton	**CA**, Los Angeles	**AR**, Little Rock	**LA**, Lake Charles
2.1.1.1.1.	**2.1.2.2.2.**	**2.2.1.2.1.2.**	
MO, Columbia	**CA**, Los Angeles AP	**AL**, Birmingham AP	

FIG. 1A

Leonid Andreev. FIG. 1B. Hierarchical clustering of 46 cities of 15 states of the U.S.A. based on 108 climatic parameters, using a hybrid matrix obtained by hybridization of 108 monomeric matrices.

1.1.1.	**2.1.2.1.1.**	**2.2.1.1.2.1.**	TX, Dallas-Fort Worth
NV, Elko	**CA**, Bakersfield	**OK**, Oklahoma City	TX, Waco
NV, Ely	**CA**, Redding	**OK**, Tulsa	**2.2.2.1.**
1.1.2.	**2.1.2.1.2.1.**	**2.2.1.1.2.2.**	FL, Jacksonville
NV, Winnemucca	**CA**, Fresno	**AR**, Fort Smith	FL, Tallahassee
1.2.1.	**2.1.2.1.2.2.**	**AR**, Little Rock	**2.2.2.2.1.1.**
NV, Las Vegas	**CA**, Sacramento	**2.2.1.2.1.1.1.1.**	LA, Baton Rouge
1.2.2.	**CA**, Stockton	**GA**, Augusta	LA, New Orleans
AZ, Phoenix	**2.1.2.2.1.**	**GA**, Macon	**2.2.2.2.1.2.**
AZ, Yuma	**CA**, Los Angeles C.O.	**2.2.1.2.1.1.1.2.**	LA, Lake Charles
2.1.1.1.	**2.1.2.2.2.**	**GA**, Columbus	**2.2.2.2.2.1.**
MO, Columbia	**CA**, Los Angeles AP	**2.2.1.2.1.1.2**	FL, Apalachicola
MO, Kansas City	**CA**, San Diego	**GA**, Savannah	FL, Pensacola
2.1.1.2.1.	**2.2.1.1.1.1.**	**2.2.1.2.1.2.**	**2.2.2.2.2.2.**
VA, Lynchburg	**TN**, Knoxville	**MS**, Jackson	TX, Houston
VA, Roanoke	**TN**, Nashville	**MS**, Meridian	TX, Victoria
2.1.1.2.2.	**2.2.1.1.1.2.**	**2.2.1.2.2.1.**	
WV, Charleston	**AL**, Birmingham AP	**TX**, San Angelo	
WV, Huntington	**AL**, Huntsville	**2.2.1.2.2.2.**	

FIG. 1B

Leonid Andreev. FIG. 2A. Clustering of artificially generated 3D scatter plot of 50 points by ETSM-method.
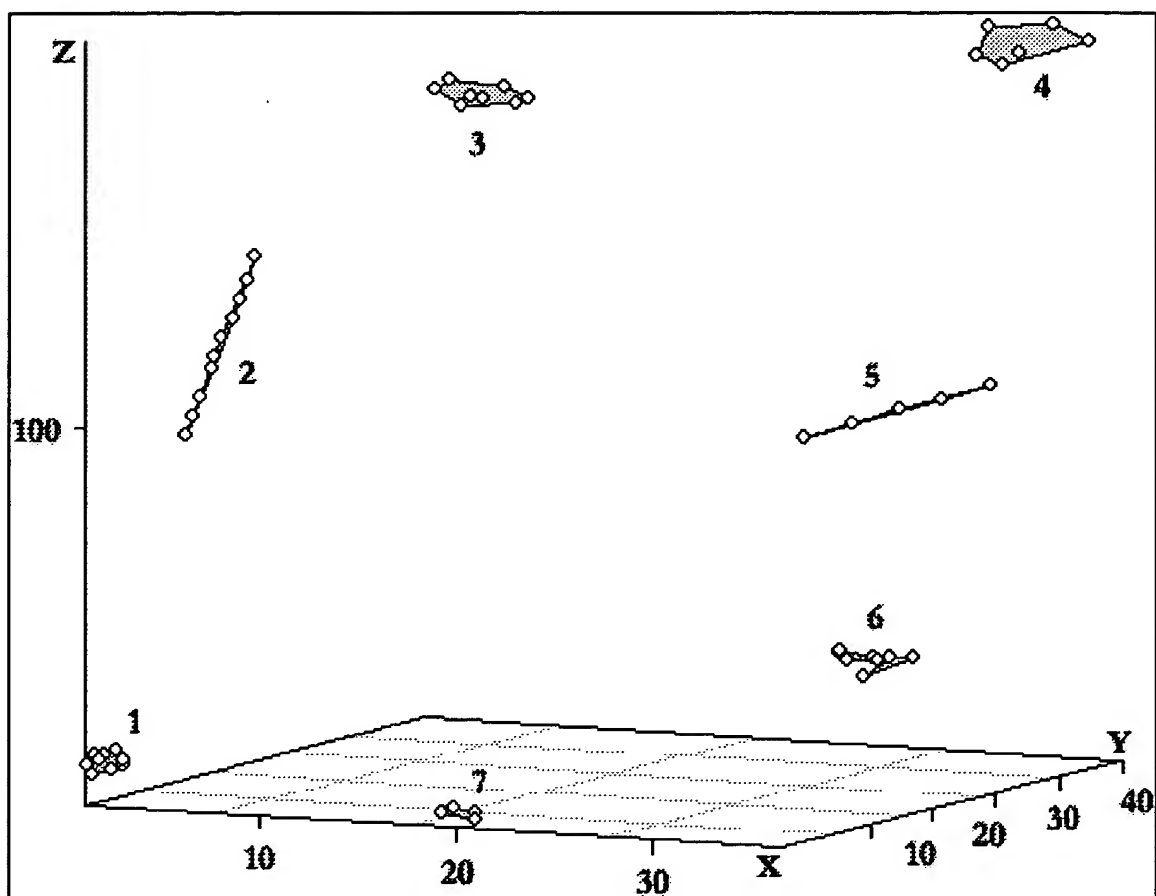

FIG. 2A

Leonid Andreev. FIG. 2B. Clustering of artificially generated 3D scatter plot of 50
points by ETSM-method, using hybrid matrix; monomeric matrices based on differences
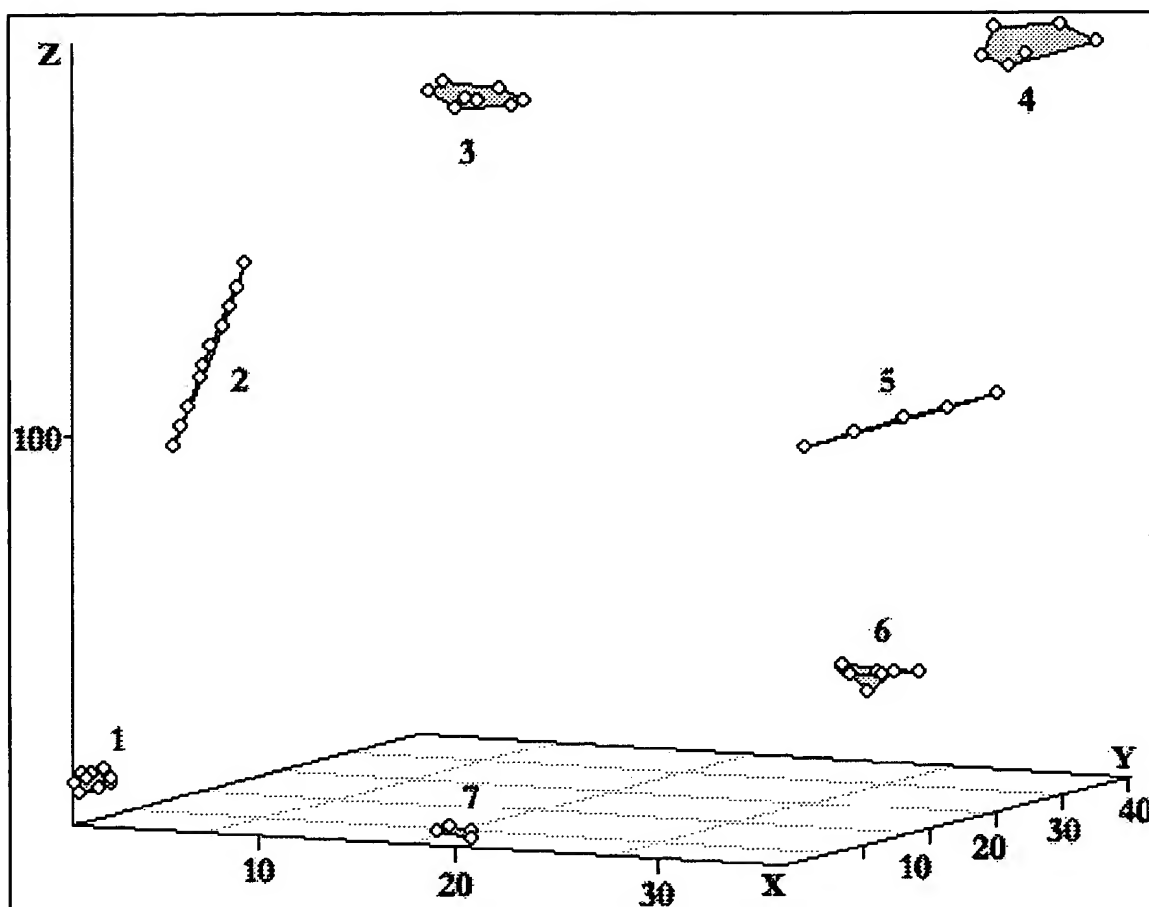between distances.

FIG. 2B

Leonid Andreev. FIG. 3A. Clustering of artificially generated 3D scatter plot of 50 points by ETSM-method, using hybrid matrix; monomeric matrices based on XR-metric, B-constant = 1.10.
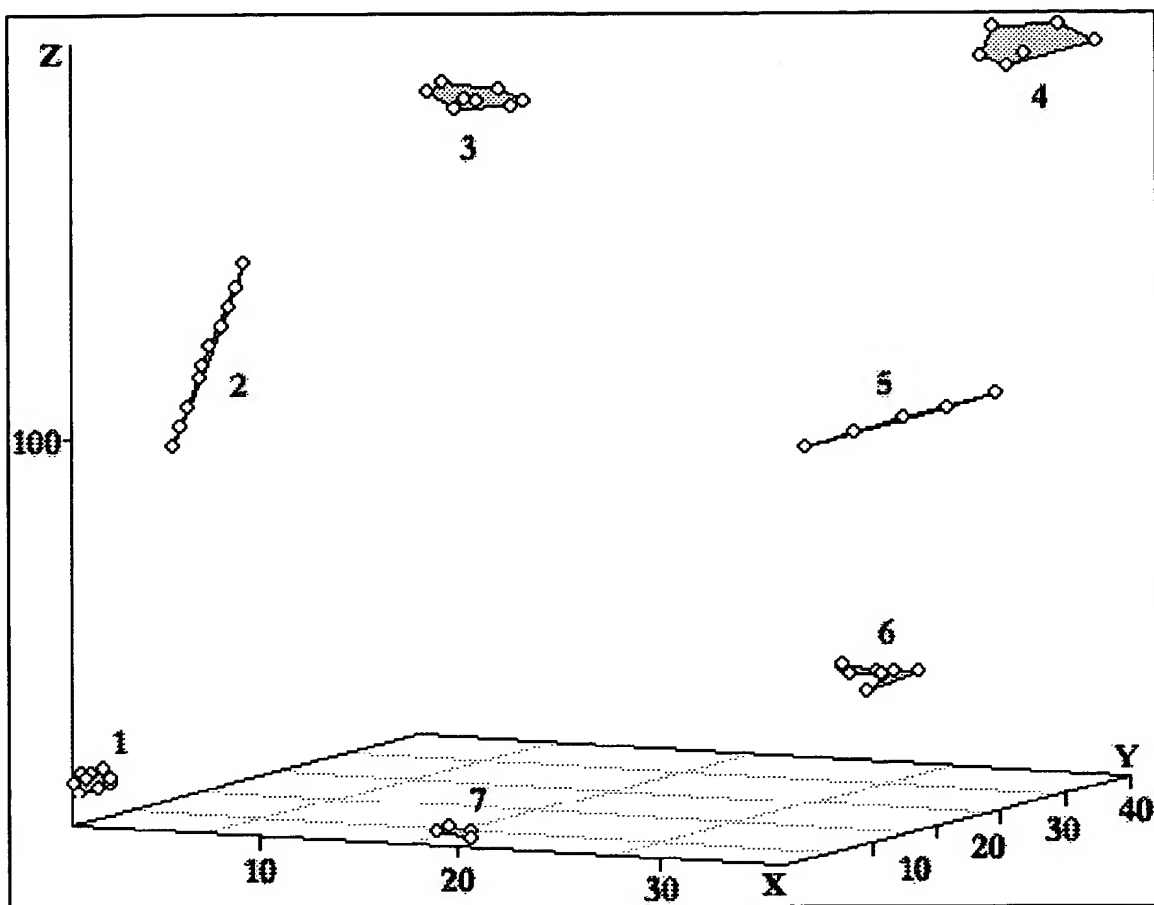

FIG. 3A

Leonid Andreev. FIG. 3B. Clustering of artificially generated 3D scatter plot of 50 points by ETSM-method, using hybrid matrix; monomeric matrices based on XR-metric; each value increased by 1000 units.
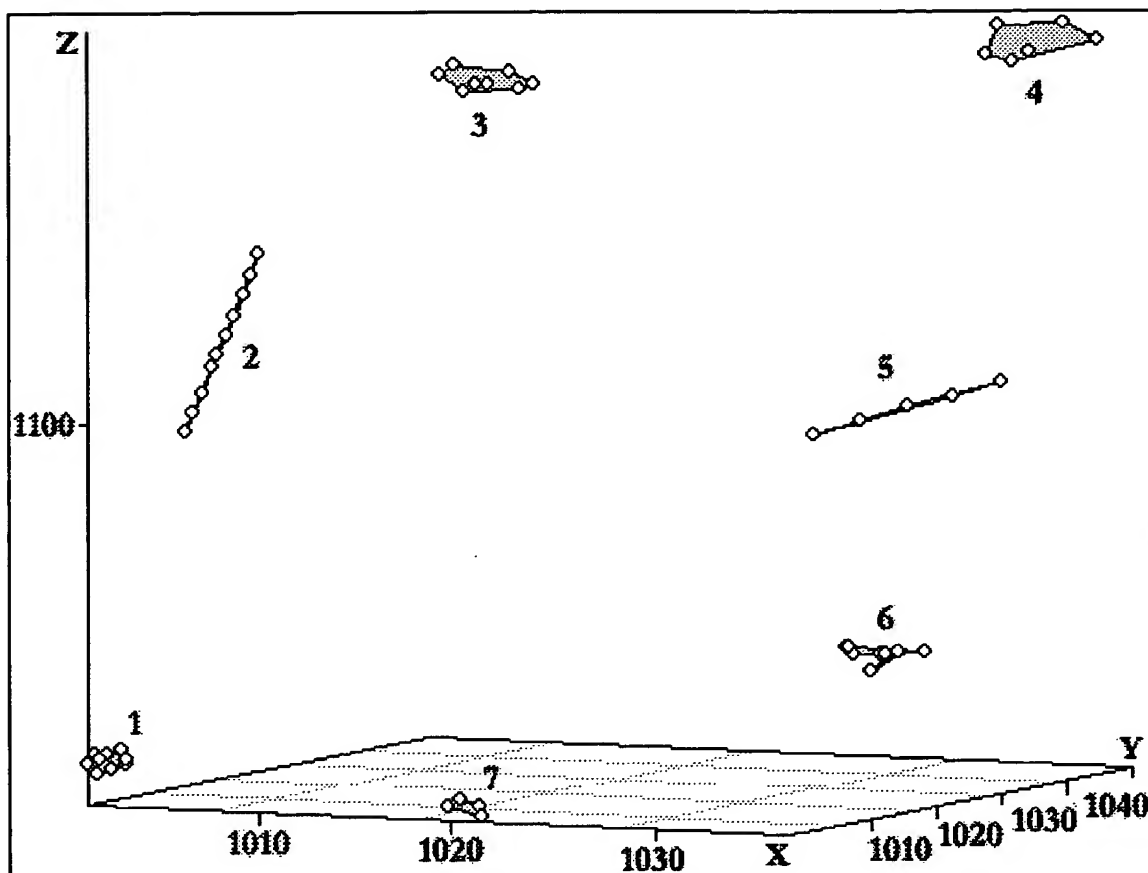

FIG. 3B

Leonid Andreev. FIG. 3C. Clustering of artificially generated 3D scatter plot of 50 points by ETSM-method, using hybrid matrix; monomeric matrices based on R-metric.
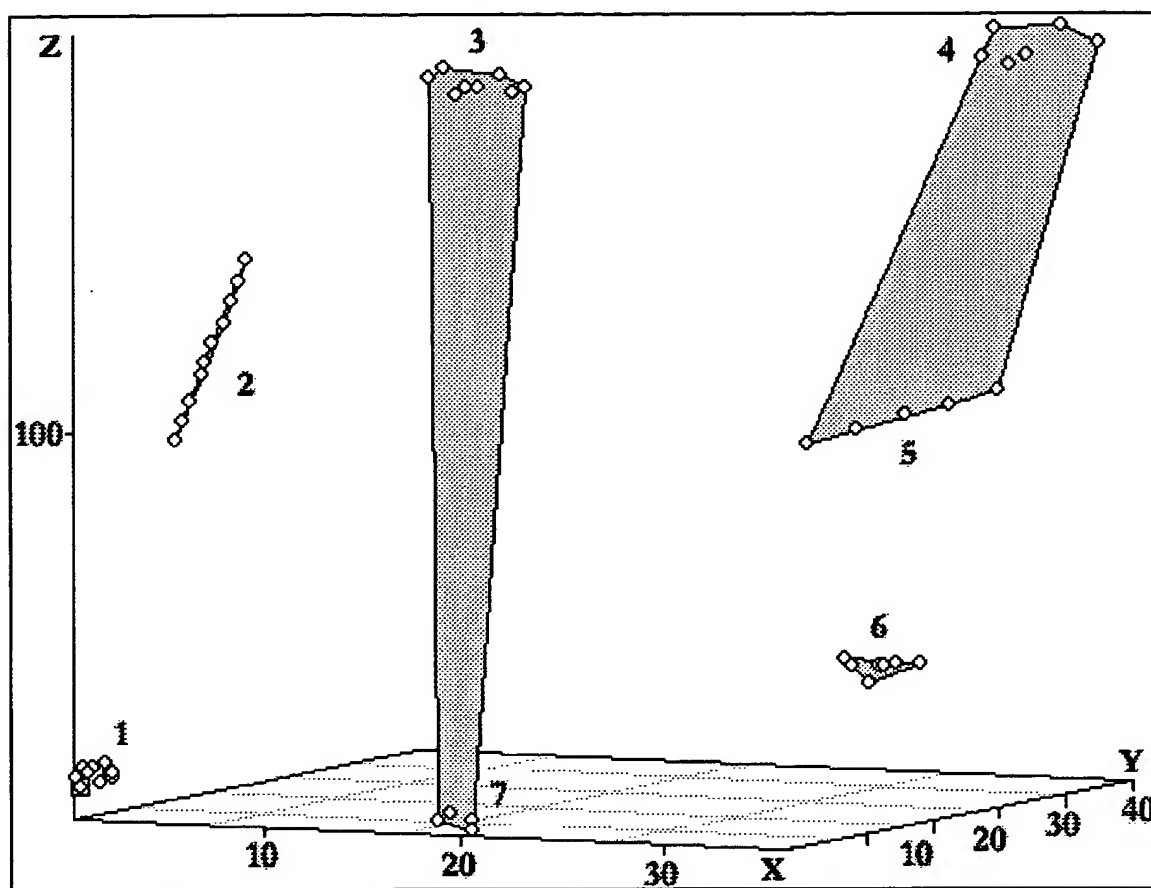

FIG. 3C

Leonid Andreev. FIG. 4A. Hierarchical clustering of 46 cities of 15 states of the U.S.A. based on 108 climatic parameters, using a hybrid matrix obtained by hybridization of 108 monomeric matrices based on XR-metric.

1.1.1.	**CA**, Los Angeles C.O.	**GA**, Augusta	**AL**, Birmingham Al
NV, Elko	**2.1.1.2.2.**	**GA**, Macon	**AL**, Huntsville
NV, Ely	**CA**, Los Angeles AP	**2.2.1.1.2.1.1.2.**	**2.2.2.1.**
1.1.2.	**CA**, San Diego	**GA**, Columbus	**FL**, Jacksonville
NV, Winnemucca	**2.1.2.1.1.**	**2.2.1.1.2.1.2.**	**FL**, Tallahassee
1.2.1.	**VA**, Lynchburg	**GA**, Savannah	**2.2.2.2.1.**
NV, Las Vegas	**VA**, Roanoke	**2.2.1.1.2.2.**	**FL**, Apalachicola
1.2.2.	**2.1.2.1.2.**	**MS**, Jackson	**FL**, Pensacola
AZ, Phoenix	**WV**, Charleston	**MS**, Meridian	**2.2.2.2.2.1.1.**
AZ, Yuma	**WV**, Huntington	**2.2.1.2.1.1.**	**LA**, Baton Rouge
2.1.1.1.1.	**2.1.2.2.**	**OK**, Oklahoma City	**LA**, New Orleans
CA, Bakersfield	**MO**, Columbia	**OK**, Tulsa	**2.2.2.2.2.1.2.**
CA, Redding	**MO**, Kansas City	**2.2.1.2.1.2.**	**LA**, Lake Charles
2.1.1.1.2.1.	**2.2.1.1.1.1.**	**AR**, Fort Smith	**2.2.2.2.2.2.**
CA, Fresno	**TX**, San Angelo	**AR**, Little Rock	**TX**, Houston
2.1.1.1.2.2.	**2.2.1.1.1.2.**	**2.2.1.2.2.1.**	**TX**, Victoria
CA, Sacramento	**TX**, Dallas-Fort Worth	**TN**, Knoxville	
CA, Stockton	**TX**, Waco	**TN**, Nashville	
2.1.1.2.1.	**2.2.1.1.2.1.1.1.**	**2.2.1.2.2.2.**	

FIG. 4A

Leonid Andreev. FIG. 4B. Hierarchical clustering of 46 cities of 15 states of the U.S.A. based on 24 humidity parameters.

1.1.1.	**1.2.2.**	AR, Little Rock	**2.2.1.2.1.2.**
NV, Las Vegas	CA, Los Angeles C.O.	TX, Dallas-Fort Worth	LA, Baton Rouge
1.1.2.	**2.1.**	**2.2.1.2.1.1.1.1.1.2**	LA, New Orleans
AZ, Phoenix	TX, San Angelo	TX, Waco	**2.2.1.2.2.1.1.**
AZ, Yuma	VA, Roanoke	**2.2.1.2.1.1.1.1.2.**	FL, Jacksonville
1.2.1.1.1.1.1.	**2.2.1.1.1.1.**	FL, Pensacola	FL, Tallahassee
NV, Winnemucca	VA, Lynchburg	**2.2.1.2.1.1.1.2.1.**	**2.2.1.2.2.1.2.**
1.2.1.1.1.1.2.	**2.2.1.1.1.2.1.**	WV, Huntington	FL, Apalachicola
NV, Elko	OK, Oklahoma City	**2.2.1.2.1.1.1.2.2.**	**2.2.1.2.2.2.1.**
NV, Ely	OK, Tulsa	MO, Columbia	TX, Houston
1.2.1.1.1.2.	**2.2.1.1.1.2.2.**	MO, Kansas City	TX, Victoria
CA, Bakersfield	WV, Charleston	**2.2.1.2.1.1.2.1.**	**2.2.1.2.2.2.2.1.**
1.2.1.1.2.	**2.2.1.1.2.1.**	AL, Birmingham AP	MS, Jackson
CA, Redding	GA, Augusta	TN, Nashville	MS, Meridian
1.2.1.2.1.	GA, Savannah	**2.2.1.2.1.1.2.2.1.**	**2.2.1.2.2.2.2.2**
CA, Fresno	**2.2.1.1.2.2.**	AR, Fort Smith	LA, Lake Charles
1.2.1.2.2.	GA, Columbus	TN, Knoxville	**2.2.2.**
CA, Sacramento	GA, Macon	**2.2.1.2.1.1.2.2.2.**	CA, Los Angeles AP
CA, Stockton	**2.2.1.2.1.1.1.1.1.1.**	AL, Huntsville	CA, San Diego

FIG. 4B

Leonid Andreev. FIG. 4C. Hierarchical clustering of 46 cities of 15 states of the U.S.A. based on 36 temperature parameters.

1.	**TN**, Nashville	**2.2.1.1.2.1.2.**	**TX**, Houston
NV, Elko	**2.2.1.1.1.1.2.1.1.**	**TX**, Dallas-Fort Worth	**2.2.1.2.2.2.1.2.**
NV, Ely	**OK**, Oklahoma City	**2.2.1.1.2.2.1.**	**FL**, Jacksonville
2.1.1.1.	**OK**, Tulsa	**GA**, Augusta	**FL**, Tallahassee
NV, Winnemucca	**2.2.1.1.1.1.2.1.2.**	**GA**, Macon	**2.2.1.2.2.2.2.1.**
2.1.1.2.1.	**AR**, Fort Smith	**2.2.1.1.2.2.2.1.**	**LA**, Lake Charles
MO, Columbia	**2.2.1.1.1.1.2.2.1.**	**TX**, San Angelo	**2.2.1.2.2.2.2.2.1.**
MO, Kansas City	**AL**, Huntsville	**2.2.1.1.2.2.2.2.1.**	**FL**, Apalachicola
2.1.1.2.2.1.1.	**2.2.1.1.1.1.2.2.2.**	**MS**, Meridian	**FL**, Pensacola
WV, Huntington	**AL**, Birmingham AP	**2.2.1.1.2.2.2.2.2.**	**2.2.1.2.2.2.2.2.2.**
2.1.1.2.2.1.2.	**AR**, Little Rock	**GA**, Columbus	**LA**, New Orleans
VA, Lynchburg	**2.2.1.1.1.2.1.**	**MS**, Jackson	**2.2.2.1.1.**
WV, Charleston	**CA**, Sacramento	**2.2.1.2.1.**	**CA**, Los Angeles AP
2.1.1.2.2.2.	**CA**, Stockton	**NV**, Las Vegas	**CA**, San Diego
VA, Roanoke	**2.2.1.1.1.2.2.**	**TX**, Waco	**2.2.2.1.2.**
2.1.2.	**CA**, Redding	**2.2.1.2.2.1.**	**CA**, Los Angeles C.O.
AZ, Yuma	**2.2.1.1.2.1.1.**	**GA**, Savannah	**2.2.2.2.**
2.2.1.1.1.1.	**CA**, Bakersfield	**2.2.1.2.2.2.1.1.**	**AZ**, Phoenix
TN, Knoxville	**CA**, Fresno	**LA**, Baton Rouge	**TX**, Victoria

FIG. 4C

Leonid Andreev. FIG. 4D. Hierarchical clustering of 46 cities of 15 states of the U.S.A. based on 36 cloudiness parameters.

1.1.	**2.1.2.1.**	**2.2.1.2.2.2.1.2.**	**AR**, Little Rock
NV, Winnemucca	**TX**, San Angelo	**AR**, Fort Smith	**MS**, Jackson
1.2.1.1.	**2.1.2.2.**	**MO**, Kansas City	**2.2.2.1.2.1.**
CA, Redding	**CA**, Los Angeles AP	**2.2.1.2.2.2.2.1.**	**AL**, Birmingham AP
1.2.1.2.1.	**CA**, San Diego	**TX**, Dallas-Fort Worth	**LA**, Baton Rouge
CA, Sacramento	**2.2.1.1.1.1.**	**TX**, Waco	**LA**, New Orleans
CA, Stockton	**FL**, Apalachicola	**2.2.1.2.2.2.2.2.**	**2.2.2.1.2.2.**
1.2.1.2.2.	**2.2.1.1.1.2.**	**OK**, Oklahoma City	**LA**, Lake Charles
CA, Bakersfield	**FL**, Jacksonville	**2.2.2.1.1.1.1.1.1.**	**2.2.2.2.1.1.1.**
CA, Fresno	**FL**, Tallahassee	**TN**, Knoxville	**GA**, Augusta
1.2.2.1.	**2.2.1.1.2.**	**TN**, Nashville	**GA**, Macon
CA, Los Angeles C. O.	**TX**, Houston	**2.2.2.1.1.1.1.1.2.**	**2.2.2.2.1.1.2.**
1.2.2.1.	**TX**, Victoria	**AL**, Huntsville	**GA**, Savannah
AZ, Phoenix	**2.2.1.2.1.**	**2.2.2.1.1.1.1.2.**	**2.2.2.2.1.2.**
NV, Las Vegas	**MO**, Columbia	**MS**, Meridian	**VA**, Lynchburg
1.2.2.2.2.	**NV**, Elko	**2.2.2.1.1.1.2.**	**2.2.2.2.2.**
AZ, Yuma	**2.2.1.2.2.1.**	**VA**, Roanoke	**FL**, Pensacola
2.1.1.	**NV**, Ely	**2.2.2.1.1.2.1.**	
WV, Charleston	**2.2.1.2.2.2.1.1.**	**GA**, Columbus	
WV, Huntington	**OK**, Tulsa	**2.2.2.1.1.2.2.**	

FIG. 4D

Leonid Andreev. FIG. 4E. Hierarchical clustering of 46 cities of 15 states of the U.S.A. based on 12 precipitation parameters.

1.1.1.1.1.1.	**CA**, Sacramento	**WV**, Huntington	**FL**, Apalachicola
AZ, Yuma	**1.1.2.**	**2.1.2.1.2.1.1.**	**FL**, Jacksonville
NV, Las Vegas	**TX**, San Angelo	**GA**, Augusta	**2.2.1.2.1.1.**
1.1.1.1.1.2.	**1.2.**	**GA**, Macon	**LA**, Lake Charles
AZ, Phoenix	**CA**, Redding	**2.1.2.1.2.1.2.**	**2.2.1.2.1.2.**
CA, Bakersfield	**2.1.1.1.**	**TN**, Knoxville	**LA**, Baton Rouge
1.1.1.1.2.1.	**TX**, Dallas-Fort Worth	**2.1.2.1.2.2.1.**	**LA**, New Orleans
NV, Elko	**TX**, Waco	**MO**, Columbia	**2.2.1.2.2.**
NV, Winnemucca	**2.1.1.2.1.**	**2.1.2.1.2.2.2.1.**	**FL**, Pensacola
1.1.1.1.2.2.	**MO**, Kansas City	**AR**, Fort Smith	**FL**, Tallahassee
NV, Ely	**OK**, Oklahoma City	**TX**, Houston	**2.2.2.1.1.**
1.1.1.2.1.1.	**2.1.1.2.2.**	**2.1.2.1.2.2.2.2.**	**AL**, Birmingham AP
CA, Fresno	**OK**, Tulsa	**AR**, Little Rock	**2.2.2.1.2.**
CA, San Diego	**TX**, Victoria	**TN**, Nashville	**MS**, Jackson
1.1.1.2.1.2.	**2.1.2.1.1.1.**	**2.1.2.2.**	**MS**, Meridian
CA, Los Angeles AP	**VA**, Lynchburg	**GA**, Savannah	**2.2.2.2.**
CA, Stockton	**VA**, Roanoke	**2.2.1.1.1.**	**AL**, Huntsville
1.1.1.2.2.	**2.1.2.1.1.2.**	**GA**, Columbus	
CA, Los Angeles C.O.	**WV**, Charleston	**2.2.1.1.2.2.**	

FIG. 4E

FIG. 5A. Clustering of 80 countries based on 51 demographic parameters and R-metric.

1.1.1.1.1.1.	**Gibraltar, Luxemburg**
1.1.1.1.1.2.	**Sweden**
1.1.1.1.2.1.	**Austria**
1.1.1.1.2.2	**France, Switzerland, UK, Belgium, Denmark, Finland, Netherlands, Norway**
1.1.1.2.1.	**Germany**
1.1.1.2.2.1.	**Portugal**
1.1.1.2.2.2.	**Greece, Italy, Spain**
1.1.2.1.1.	**Montenegro**
1.1.2.1.2.1.	**Belarus, Estonia, Latvia, Lithuania, Russia, Ukraine**
1.1.2.1.2.2.	**Georgia, Bulgaria, Croatia, Czech Republic, Hungary, Poland, Romania, Serbia, Slovakia, Slovenia**
1.1.2.2.1.	**Herzegovina**
1.1.2.2.2.1.	**Macedonia**
1.1.2.2.2.2.	**Armenia, Moldova**
1.2.	**Israel**
2.1.	**United Arab Emirates**
2.2.1.1.	**Kuwait, Qatar**
2.2.1.2.1.1.	**Bahrain, Brunei**
2.2.1.2.1.2.	**Albania, Azerbaijan, Kazakhstan, Lebanon, Tunisia, Turkey**
2.2.1.2.2.1.	**Bangladesh, Iran, Malaysia, Algeria, Egypt, Libya, Morocco**
2.2.1.2.2.2.	**Indonesia, Kyrgyzstan, Pakistan, Tajikistan, Turkmenistan, Uzbekistan**
2.2.2.1.1.1.	**Iraq, Jordan, Syria, West Bank**
2.2.2.1.1.2.	**Gaza Strip**
2.2.2.1.2.	**Oman, Saudi Arabia**
2.2.2.2.1.1.	**Somalia, Yemen**
2.2.2.2.1.2.	**Djibouti**
2.2.2.2.2.1.	**Afghanistan, Eritrea**
2.2.2.2.2.2.	**Ethiopia, Mauritania, Niger, Nigeria, Sudan**

FIG. 5A

Fig. 5B. Clustering of 80 countries based on 51 demographic parameters and XR-metric.

1.1.1.1.1.	Czech Republic
1.1.1.1.2.1.	Denmark, Finland, France, Luxembourg, Netherlands, Norway, UK
1.1.1.1.2.2.	Austria, Belgium, Germany, Gibraltar, Greece, Italy, Portugal, Slovenia, Spain, Sweden, Switzerland
1.1.1.2.1.1.	Croatia, Hungary, Poland, Slovakia
1.1.2.1.2.	Macedonia, Montenegro
1.1.1.2.2.	Israel
1.1.2.1.1.1.	Belarus, Bulgaria, Estonia, Latvia, Lithuania
1.1.2.1.1.2.	Romania, Russia, Serbia, Ukraine
1.1.2.1.2.	Bosnia & Herzegovina
1.1.2.2.1.	Kuwait
1.1.2.2.2.1.	Bahrain, Brunei, United Arab Emirates
1.1.2.2.2.2.	Qatar
1.2.1.1.1.	Jordan
1.2.1.1.2.1.	Oman, West Bank
1.2.1.1.2.2.	Gaza Strip
1.2.1.2.	Georgia, Kazakhstan
1.2.2.1.1.	Armenia, Moldova
1.2.2.1.2.1.	Iran, Lebanon, Libya, Malaysia, Syria, Tunisia
1.2.2.1.2.2.	Albania, Algeria, Indonesia, Morocco, Turkey
1.2.2.2.	Egypt, Saudi Arabia
2.1.1.1.	Iraq
2.1.1.2.1.1.	Bangladesh, Turkmenistan, Uzbekistan
2.1.1.2.1.2.	Kyrgyzstan
2.1.1.2.2.	Azerbaijan, Pakistan
2.1.2.1.	Sudan, Yemen
2.1.2.2.1.	Mauritania, Nigeria
2.1.2.2.2.	Eritrea
2.2.1.	Djibouti, Tajikistan
2.2.2.1.1.	Ethiopia
2.2.2.1.2.	Niger, Somalia
2.2.2.2.	Afghanistan

FIG. 5B

Leonid Andreev. FIG. 5C. Clustering of 80 countries based on 51 demographic parameters and differences in parameters for each monomeric matrix.

1.1.1.1.	Czech Republic, Slovenia
1.1.1.2.	Sweden
1.1.2.1.1.1.	Germany, Italy, Spain
1.1.2.1.1.2.	Switzerland
1.1.2.1.2.	Greece
1.1.1.2.2.	Israel
1.1.2.2.1.1.	Austria, Belgium, Finland
1.1.2.2.1.2.	Denmark, Portugal, UK
1.1.2.2.2.1.	France, Luxembourg, Netherlands
1.1.2.2.2.1.	Bahrain, Brunei, United Arab Emirates
1.1.2.2.2.2.	Gibraltar, Norway
1.2.1.1.1.1.	Belarus, Bulgaria, Estonia, Latvia, Lithuania
1.2.1.1.1.2.	Russia
1.2.1.1.2.1.	Hungary, Ukraine
1.2.1.1.2.2.	Romania, Serbia
1.2.1.2.1.1.	Poland, Slovakia
1.2.1.2.1.2.	Croatia, Macedonia, Montenegro
1.2.1.2.2.1.	Israel
1.2.1.2.2.2.	Armenia, Bosnia and Herzegovina
1.2.2.1.1.1.	United Arab Emirates
1.2.2.1.1.2.	Bahrain, Brunei
1.2.2.1.2.1.	Kuwait
1.2.2.1.2.2.	Jordan, Malaysia, Qatar
1.2.2.2.1.	Iran, Tunisia
1.2.2.2.2.	Lebanon
2.1.1.1.1.	Moldova
2.1.1.1.2.1.	Gaza Strip, Oman, West Bank
2.1.1.1.2.2.	Libya, Syria
2.1.1.2.1.	Algeria, Indonesia
2.1.1.2.2.1.	Albania
2.1.1.2.2.2.	Morocco, Turkey
2.1.2.1.1.1.	Egypt, Iraq, Kazakhstan
2.1.2.1.1.2.	Azerbaijan, Pakistan
2.1.2.1.2.1.	Bangladesh, Turkmenistan, Uzbekistan
2.1.2.1.2.2.	Kyrgyzstan
2.1.2.2.1.1.	Georgia, Saudi Arabia
2.1.2.2.1.2.	Tajikistan
2.1.2.2.2.1.	Sudan, Yemen
2.1.2.2.2.2.	Eritrea, Mauritania, Nigeria
2.2.1.	Djibouti, Ethiopia
2.2.2.1.	Niger, Somalia
2.2.2.2.	Afghanistan

FIG. 5C

FIG. 5D. Clustering of 80 countries based on 51 demographic parameters and Euclidean distances in 51-dimensional space

1.1.1.	**Czech Republic, Slovenia**
1.1.2.1.1.1.	**Germany, Italy, Spain, Switzerland**
1.1.2.1.1.2.	**Greece**
1.1.2.1.2.	**Sweden**
1.1.2.2.1.1.	**Austria, Belgium, Finland**
1.1.2.2.1.2.	**Denmark, Luxembourg, UK**
1.1.2.2.2.1.	**Portugal**
1.1.2.2.2.2.	**France, Gibraltar, Netherlands, Norway**
1.2.1.1.1.1.	**Poland, Slovakia**
1.2.1.1.1.2.	**Croatia, Hungary**
1.2.1.1.2.	**Macedonia, Montenegro**
1.2.1.2.1.1.	**Belarus, Latvia, Lithuania**
1.2.1.2.1.2.	**Bulgaria, Estonia**
1.2.1.2.2.1.	**Romania, Serbia**
1.2.1.2.2.2.	**Russia**
1.2.2.1.1.1.	**Bahrain, Brunei, Jordan, Kuwait, Malaysia, Qatar, United Arab Emirates**
1.2.2.1.1.2.	**Bosnia and Herzegovina, Israel, Libya**
1.2.2.1.2.1.	**Tunisia**
1.2.2.1.2.2.	**Iran, Lebanon, Tunisia**
1.2.2.2.	**Oman, West Bank**
2.1.1.1.1.1.	**Armenia, Moldova**
2.1.1.1.1.2.	**Albania, Algeria, Indonesia, Morocco, Turkey**
2.1.1.1.2.1.	**Gaza Strip, Syria**
2.1.1.1.2.2.	**Egypt, Georgia, Iraq, Kazakhstan, Saudi Arabia**
2.1.1.2.1.	**Djibouti, Ethiopia**
2.1.1.2.2.	**Tajikistan**
2.1.2.1.1.1.	**Bangladesh, Turkmenistan, Uzbekistan**
2.1.2.1.1.2.	**Kyrgyzstan**
2.1.2.1.2.	**Azerbaijan, Pakistan**
2.1.2.2.1.	**Sudan, Yemen**
2.1.2.2.2.1.	**Mauritania, Nigeria**
2.2.1.	**Niger, Somalia**
2.2.2.	**Afghanistan**

FIG. 5D

Leonid Andreev. FIG. 6A. Hierarchical clustering of 46 cities of 15 states of the U.S.A. based on 108 climatic parameters, using a hybrid matrix obtained by hybridization of 2 hybrid matrices, using R- and XR-metrics; B-constant = 1.10.

1.1.1.1.	**CA**, San Diego	**MS**, Meridian	**1.2.2.2.1.2.**
MO, Columbia	**1.1.2.2.2.**	**1.2.1.2.1.2.1.**	**FL**, Pensacola
MO, Kansas City	**CA**, Los Angeles C.O.	**GA**, Augusta	**1.2.2.2.2.1.**
1.1.1.2.1.	**1.2.1.1.1.1.**	**1.2.1.2.1.2.2.**	**FL**, Apalachicola
WV, Charleston	**TN**, Knoxville	**GA**, Columbus	**1.2.2.2.2.2.**
WV, Huntington	**TN**, Nashville	**GA**, Savannah	**TX**, Houston
1.1.1.2.2.	**1.2.1.1.1.2.**	**1.2.1.2.2.1.**	**TX**, Victoria
VA, Lynchburg	**AL**, Birmingham AP	**TX**, San Angelo	**2.1.1.**
VA, Roanoke	**AL**, Huntsville	**1.2.1.2.2.2.**	**NV**, Elko
1.1.2.1.1.1.	**1.2.1.1.2.1.**	**TX**, Dallas-Fort Worth	**NV**, Ely
CA, Sacramento	**OK**, Oklahoma City	**TX**, Waco	**2.1.2.**
CA, Stockton	**OK**, Tulsa	**1.2.2.1.**	**NV**, Winnemucca
1.1.2.1.1.2.	**1.2.1.1.2.2.**	**FL**, Jacksonville	**2.2.1.**
CA, Fresno	**AR**, Fort Smith	**FL**, Tallahassee	**NV**, Las Vegas
1.1.2.1.2	**AR**, Little Rock	**1.2.2.2.1.1.1.**	**2.2.2.**
CA, Bakersfield	**1.2.1.2.1.1.1.**	**LA**, Baton Rouge	**AZ**, Phoenix
CA, Redding	**GA**, Macon	**1.2.2.2.1.1.2.**	**AZ**, Yuma
1.1.2.2.1.	**1.2.1.2.1.1.2.**	**LA**, Lake Charles	
CA, Los Angeles AP	**MS**, Jackson	**LA**, New Orleans	

FIG. 6A

Leonid Andreev. FIG. 6B. Hierarchical clustering of 46 cities of 15 states of the U.S.A. based on 108 climatic parameters, using a hybrid matrix obtained by hybridization of 2 hybrid matrices, using R- and XR-metrics; B-constant = 1.15.

1.1.1.1.	**CA**, San Diego	**MS**, Meridian	**1.2.2.2.1.2.**
MO, Columbia	**1.1.2.2.2.**	**1.2.1.2.1.2.1.**	**FL**, Pensacola
MO, Kansas City	**CA**, Los Angeles C.O.	**GA**, Augusta	**1.2.2.2.2.1.**
1.1.1.2.1.	**1.2.1.1.1.1.**	**1.2.1.2.1.2.2.**	**FL**, Apalachicola
WV, Charleston	**TN**, Knoxville	**GA**, Columbus	**1.2.2.2.2.2.**
WV, Huntington	**TN**, Nashville	**GA**, Savannah	**TX**, Houston
1.1.1.2.2.	**1.2.1.1.1.2.**	**1.2.1.2.2.1.**	**TX**, Victoria
VA, Lynchburg	**AL**, Birmingham AP	**TX**, San Angelo	**2.1.1.**
VA, Roanoke	**AL**, Huntsville	**1.2.1.2.2.2.**	**NV**, Elko
1.1.2.1.1.1.	**1.2.1.1.2.1.**	**TX**, Dallas-Fort Worth	**NV**, Ely
CA, Sacramento	**OK**, Oklahoma City	**TX**, Waco	**2.1.2.**
CA, Stockton	**OK**, Tulsa	**1.2.2.1.**	**NV**, Winnemucca
1.1.2.1.1.2.	**1.2.1.1.2.2.**	**FL**, Jacksonville	**2.2.1.**
CA, Fresno	**AR**, Fort Smith	**FL**, Tallahassee	**NV**, Las Vegas
1.1.2.1.2	**AR**, Little Rock	**1.2.2.2.1.1.1.**	**2.2.2.**
CA, Bakersfield	**1.2.1.2.1.1.1.**	**LA**, Baton Rouge	**AZ**, Phoenix
CA, Redding	**GA**, Macon	**1.2.2.2.1.1.2.**	**AZ**, Yuma
1.1.2.2.1.	**1.2.1.2.1.1.2.**	**LA**, Lake Charles	
CA, Los Angeles AP	**MS**, Jackson	**LA**, New Orleans	

FIG. 6B

Leonid Andreev. FIG. 6C. Hierarchical clustering of 46 cities of 15 states of the U.S.A. based on 108 climatic parameters, using a hybrid matrix obtained by hybridization of 2 hybrid matrices, using R- and XR-metrics; with parameter multiplication.

1.1.1.1.1.	**CA**, Fresno	**AR**, Little Rock	**TX**, Victoria
WV, Charleston	**1.1.2.2.2.**	**1.2.1.2.1.2.1.2.**	**1.2.2.2.1.1.**
WV, Huntington	**CA**, Bakersfield	**MS**, Jackson	**LA**, Baton Rouge
1.1.1.1.2.	**CA**, Redding	**MS**, Meridian	**LA**, Lake Charles
VA, Lynchburg	**1.2.1.1.1.1.**	**1.2.1.2.1.2.2.**	**1.2.2.2.1.1.2**
VA, Roanoke	**TN**, Knoxville	**GA**, Savannah	**LA**, New Orleans
1.1.1.2.	**TN**, Nashville	**1.2.1.2.2.1.**	**1.2.2.2.**
MO, Columbia	**1.2.1.1.1.2.**	**AR**, Fort Smith	**FL**, Pensacola
MO, Kansas City	**AL**, Huntsville	**OK**, Tulsa	**2.1.1.**
1.1.2.1.1.	**1.2.1.1.2.**	**1.2.1.2.2.2.1.**	**NV**, Elko
CA, Los Angeles AP	**OK**, Oklahoma City	**TX**, San Angelo	**NV**, Ely
CA, San Diego	**1.2.1.2.1.1.1.**	**1.2.1.2.2.2.2.**	**2.1.2.**
1.1.2.1.2.	**GA**, Augusta	**TX**, Dallas-Fort Worth	**NV**, Winnemucca
CA, Los Angeles C.O.	**GA**, Macon	**TX**, Waco	**2.2.1.**
1.1.2.2.1.1.	**1.2.1.2.1.1.2.**	**1.2.2.1.1.1.**	**NV**, Las Vegas
CA, Sacramento	**GA**, Columbus	**FL**, Apalachicola	**2.2.2.**
CA, Stockton	**1.2.1.2.1.2.1.1.**	**1.2.2.1.1.2.**	**AZ**, Phoenix
1.1.2.2.1.2.	**AL**, Birmingham AP	**TX**, Houston	**AZ**, Yuma

FIG. 6C

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FIG. 7. Public opinion poll on gun control law

	"More strict"	"Less Strict"	"About right"
Republicans	31	11	54
Conservatives	36	15	45
Men	41	12	44
Independents	54	7	34
Moderates	59	3	35
Women	64	4	28
Democrats	69	4	24
Liberals	69	4	23

FIG. 7

Leonid Andreev. FIG. 8A. Clustering of data in FIG. 7 based on hybrid matrix, using R-metrics; one-cycle division by ETSM-method.
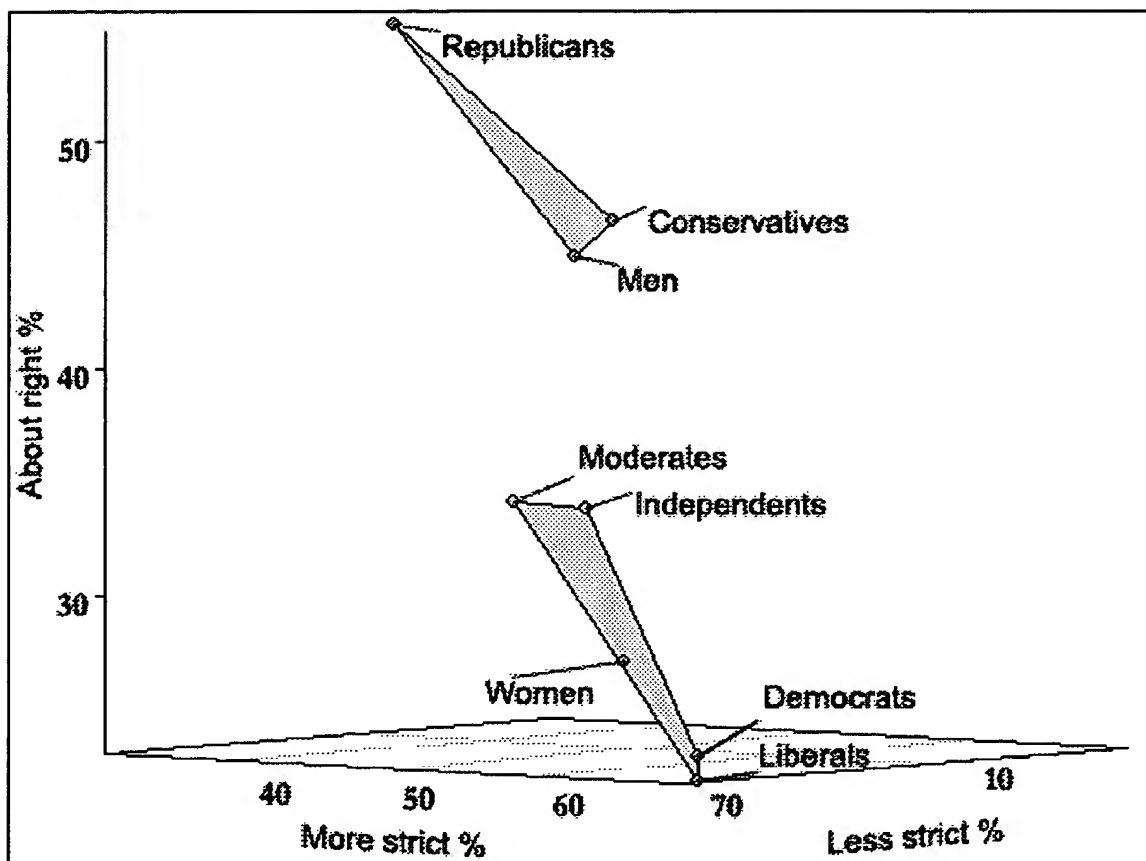

FIG. 8A

Leonid Andreev. FIG. 8B. Clustering of data in FIG. 7 based on hybrid matrix, using R-metrics; one-cycle division by ETSM-method; with 3.6-multiplication of "less strict" parameter.
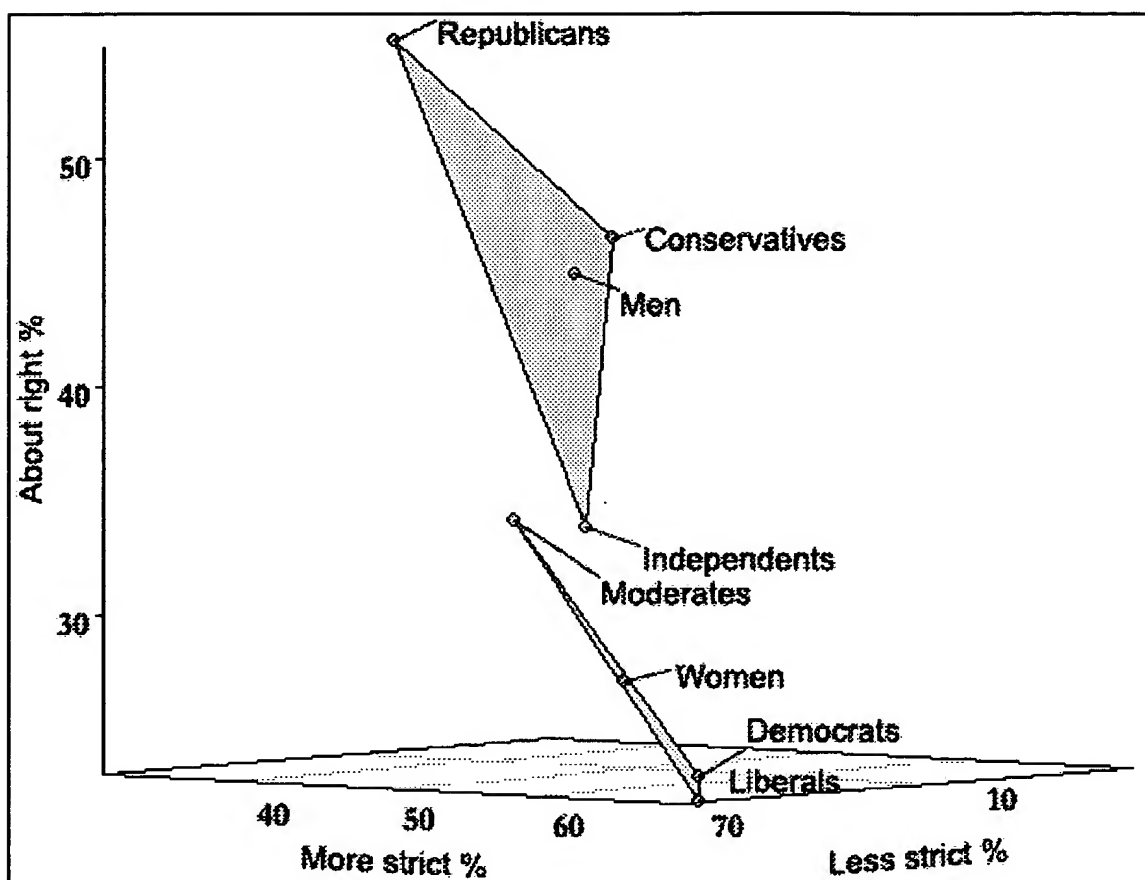

FIG. 8B